

Mathematical Reflections

1

In this investigation, you explored rectangular boxes, and you made nets for boxes. You found the dimensions of a box, the total area of all its faces, and the number of unit cubes required to fill it. These questions will help you summarize what you have learned.

Think about your answers to these questions. Discuss your ideas with other students and your teacher. Then write a summary of your findings in your notebook.

1. Explain how to find the total area of all the faces of a rectangular box.
2. Explain how to find the number of identical cubes it will take to fill a rectangular box.
3. Suppose several different nets are made for a given box. What do all of the nets have in common? What might be different?